

# SALTON SEA MANAGEMENT PROGRAM PHASE I: 10-YEAR PLAN WORK PLAN

All Committee Meeting  
October 04, 2017



# WORK PLAN ORGANIZATION

- I. Goals & Objectives
- II. Overarching Project Development & Management Needs
- III. Action Plan for Priority Areas
- IV. Conclusions

Salton Sea Management Program  
Phase I: 10-Year Plan

Draft Work Plan for Committee Review  
September 26, 2017



# I. GOALS & OBJECTIVES

- Bridges SSMP concepts to design/construction of Phase I actions
- Outlines SSMP objectives
- Identifies key factors, information and tasks to continue to move forward with Phase I actions
- Provides insights to stakeholders on design progress
- Describes advisory committees & roles

## II. OVERARCHING PROJECT DEVELOPMENT & MANAGEMENT NEEDS

### Chapters

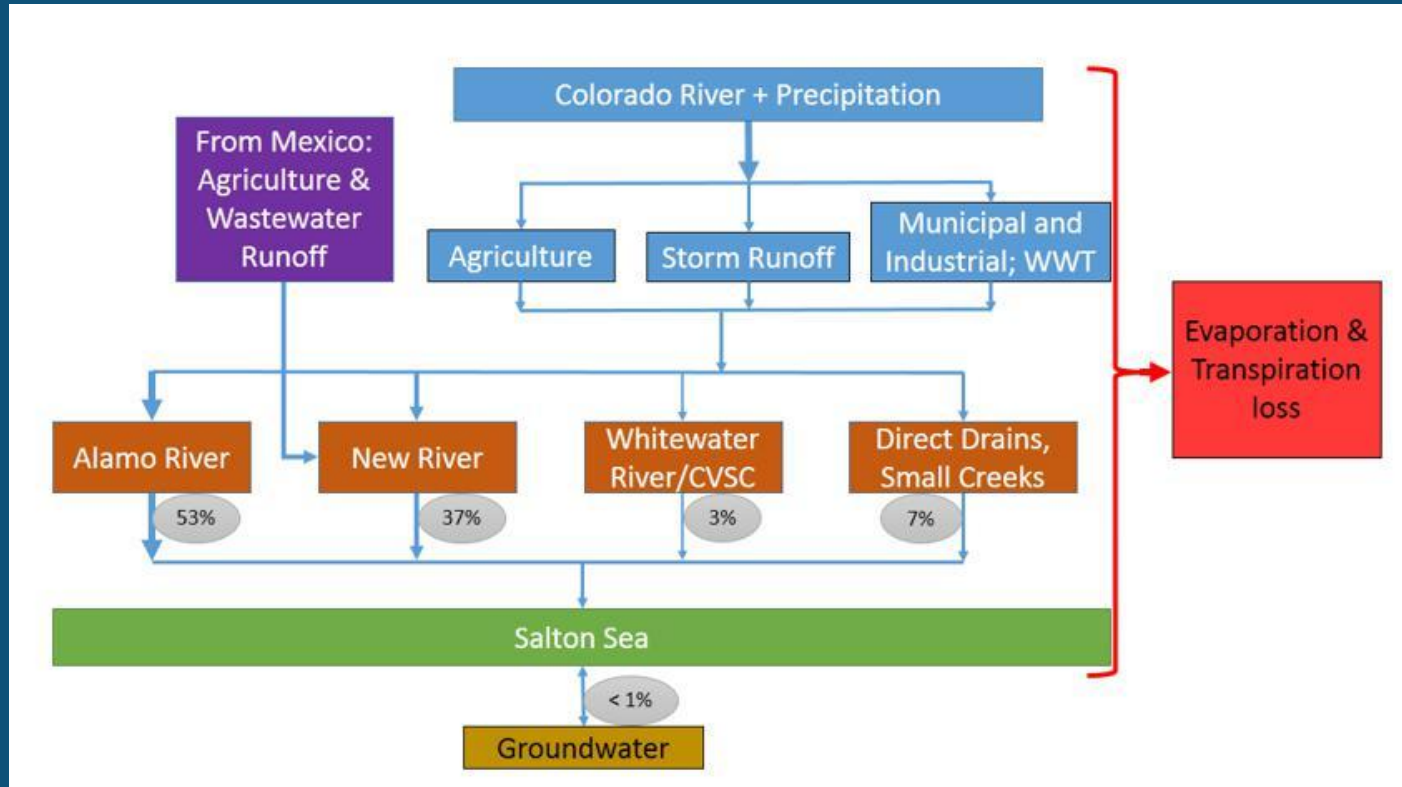
- Hydrology for Project Implementation
- Water Quality for New Habitat Creation
- Habitat Planning & Design Tool
- Air Quality Management
- Environmental Compliance
- Compatibility with Other Regional Plans & Projects
- Additional Projects for Evaluation



# TIMELINE OF WORK PLAN TASKS

Task in Work Plan	Time Frame
<b><u>Overarching Project Development Tasks</u></b>	
Hydrology for Project Implementation	Ongoing-Mar 2018
Water Quality for New Habitat Creation	Ongoing-Mar 2018
Habitat Planning and Design Tool	Dec 2017-Jun 2018
Air Quality Management Plan	Dec 2017-Mar 2018
Environmental Compliance Requirements	Ongoing
Evaluate Compatibility with Other Regional Planning Docs	Dec 2017-Jun 2018
<b><u>Near-term Priority Area Planning &amp; Design</u></b>	
New River West Restoration Design	Jul 2017-Dec 2018
Alamo River North Restoration Design	Jan 2018-Dec 2018
Whitewater River Area Restoration Design	Jan 2018-Dec 2018

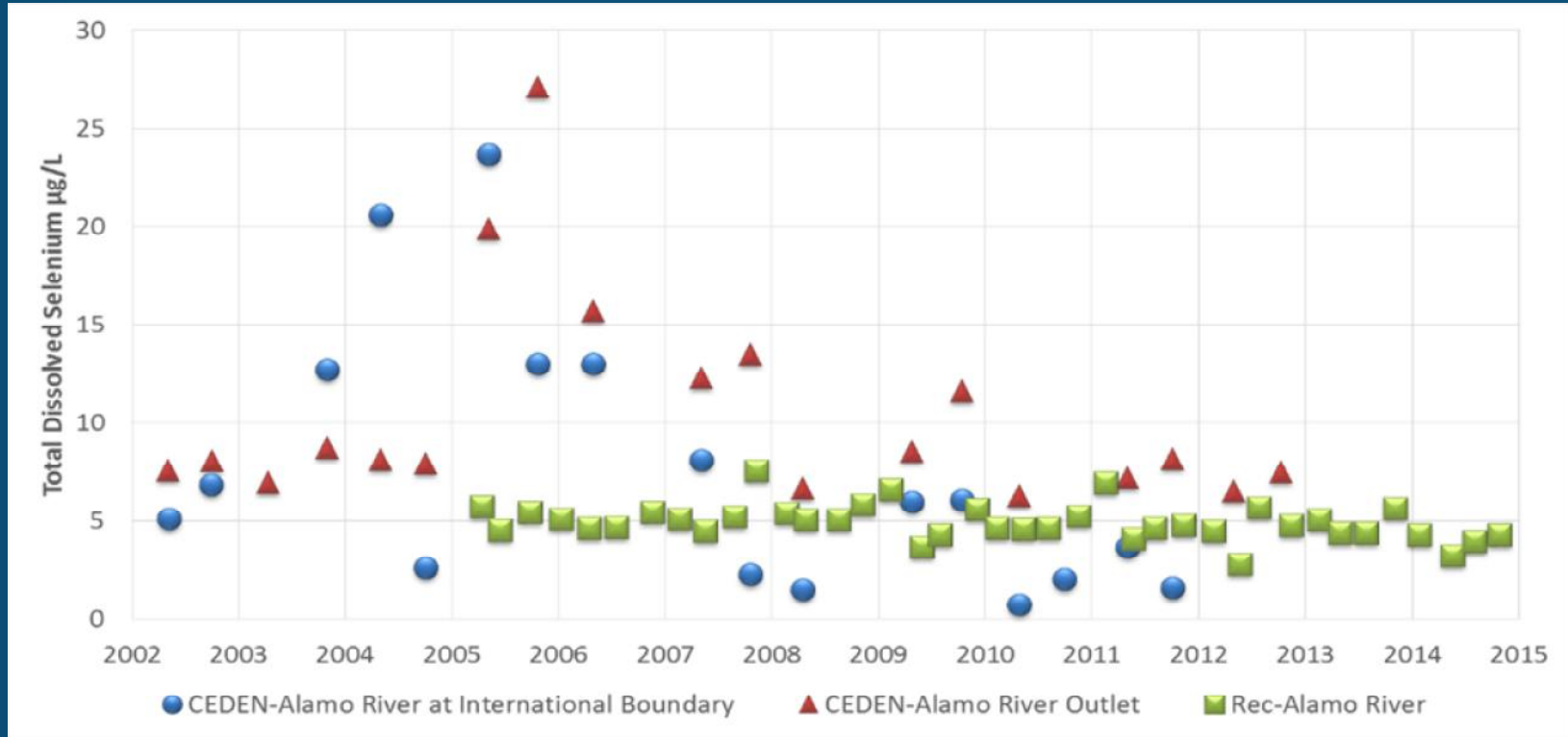
# HYDROLOGY FOR PROJECT IMPLEMENTATION



Timeline

On-going Mar 2018

# WATER QUALITY FOR NEW HABITATS



Timeline

On-going Mar 2018

# HABITAT ASSESSMENT

- Phase 1 project areas have been established
- Next steps will involve refined conceptual designs
  - Develop ecological targets
  - Detailed topo including LIDAR surveys
  - Water supply analyses
  - Soil & geotechnical analysis
  - Accommodate geothermal access



Timeline

Dec 2017

Jun 2018

# HABITAT LOCATIONS & TYPES

## ● Design Considerations

- Habitat functional values
- Water use / gravity vs pumping
- Salinity
- Water quality in constructed habitat
- Selenium management
- Invasive plant management
- Mosquito abatement

## ● Habitat Types

- Permanent wetlands with vegetation
- Dry playa
- Mudflat, sandflat, & beach
- Mid- & deep-water
- Shallow water
- Existing habitat



# HABITAT SELECTION PROCESS

1. **Assessment: Select project five areas (2016)**
2. **Prioritization of project areas (2017)**
3. **Define and apply design criteria/targets (2017/2018)**

# HABITAT PLANNING & DESIGN TOOLS

- Ecological function and performance
- Consistency with Audubon's guidelines for integrating ecological function/bird usage
- Water budgets (hydrology)
- Water quality
- Air quality performance of other playa treatments

# AIR QUALITY MANAGEMENT

- Modeled after Salton Sea Air Quality Mitigation Program (IID, July 2016)
- Evaluate Dust Suppression Methods
  - Water dependent
  - Waterless
- Coordination with IID, ICAPCD, & affected agencies



Timeline

Dec 2017

Mar 2018

# ENVIRONMENTAL COMPLIANCE

- **Environmental documents & permitting completed for current projects**
  - Species Conservation Habitat - New River East & West
  - Red Hill Bay
  - Torres Martinez Wetlands
- **Additional areas available within SCH 3,770-ac footprint**
- **Environmental compliance for other areas is being evaluated & coordinated with regulatory agencies**

Timeline

Jul 2017

On-going

# COMPATIBILITY WITH OTHER REGIONAL PLANS/PROJECTS

- **Phase I: 10-Year Plan will be compared to existing Regional Plans**
  - IID Water Conservation & Transfer Project HCP/NCCP
  - Coachella Valley Multiple Species Habitat Conservation Plan
- **Check for compatibility, continuity, & consistency**



Timeline

Dec 2017

Jun 2018



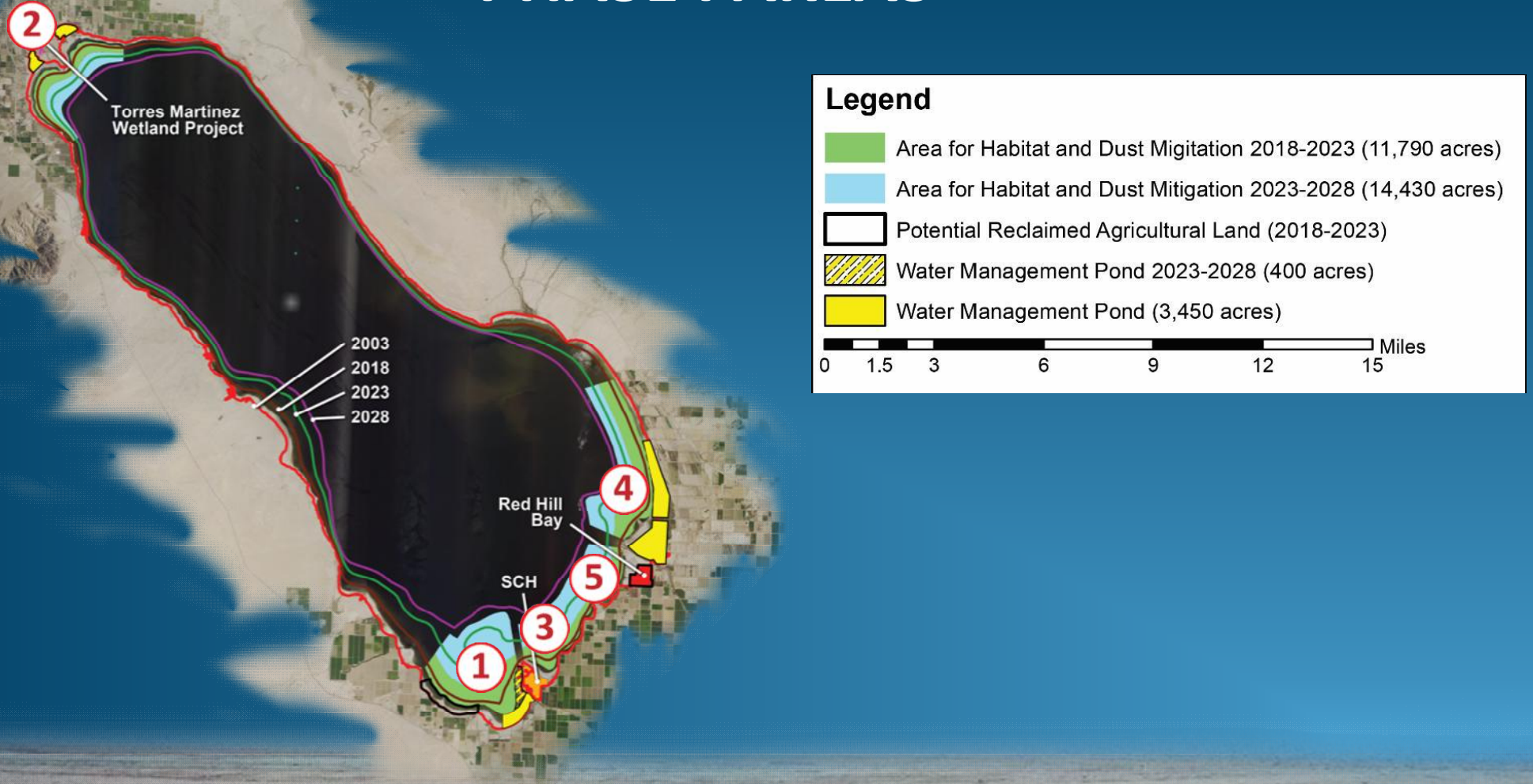
# ADDITIONAL PROJECTS FOR EVALUATION

- Evaluate potential to reconnect, inundate, or treat harbors & boat docks along east & west shores
  - Reduce odors
  - Reduce vectors
  - Dust suppression
  - Recreation opportunities
- **Water import options**

# III. ACTION PLAN FOR PHASE I AREAS

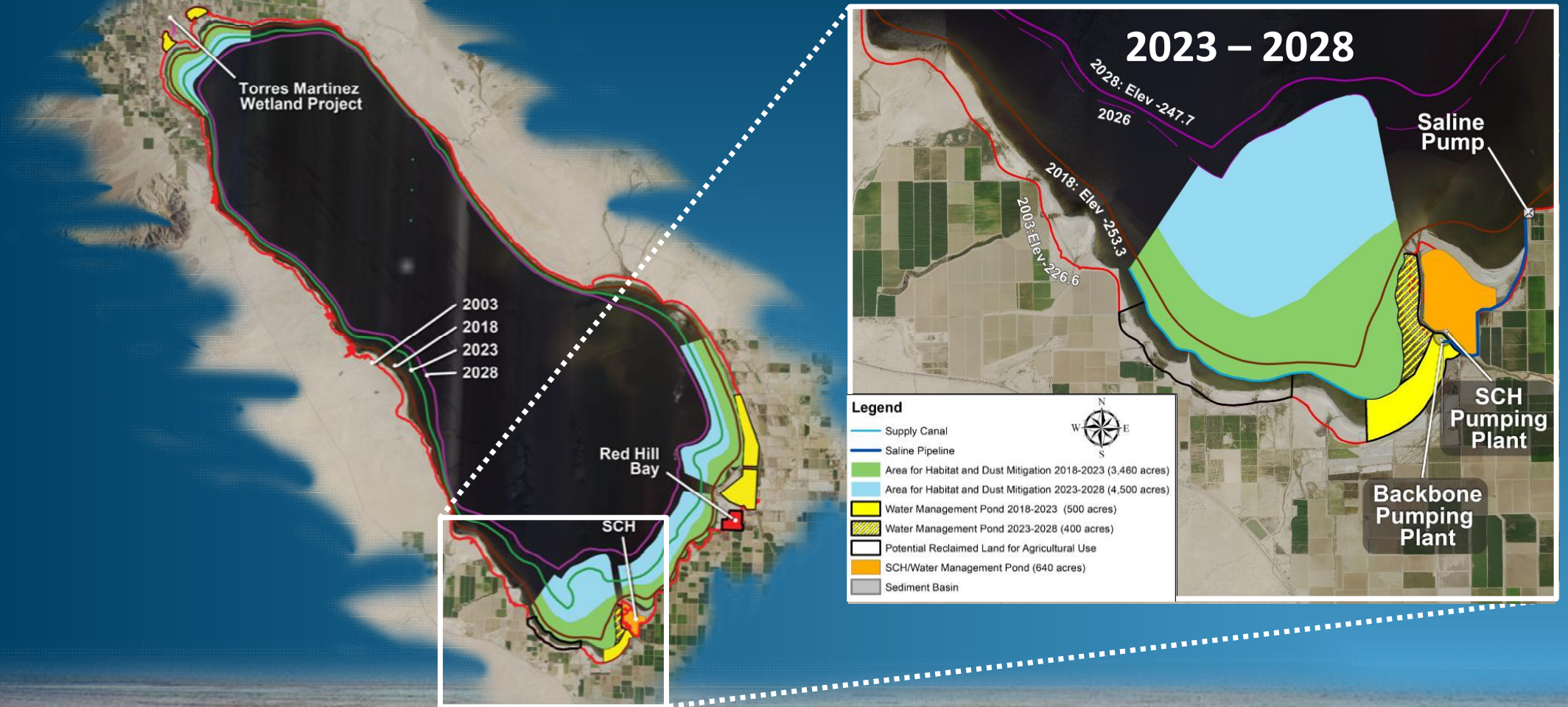
- **Project Implementation/Construction Strategy**
- **Focuses on key components & locations**
  - New River East & West
  - Alamo River North & South
  - Whitewater River
- **Phase I project sequencing determined by**
  - Proximity to water sources
  - Status of environmental clearance/permits
  - Availability of access to property
- **Other shoreline areas will be developed later**

# PHASE I AREAS





# TYPICAL CONCEPT

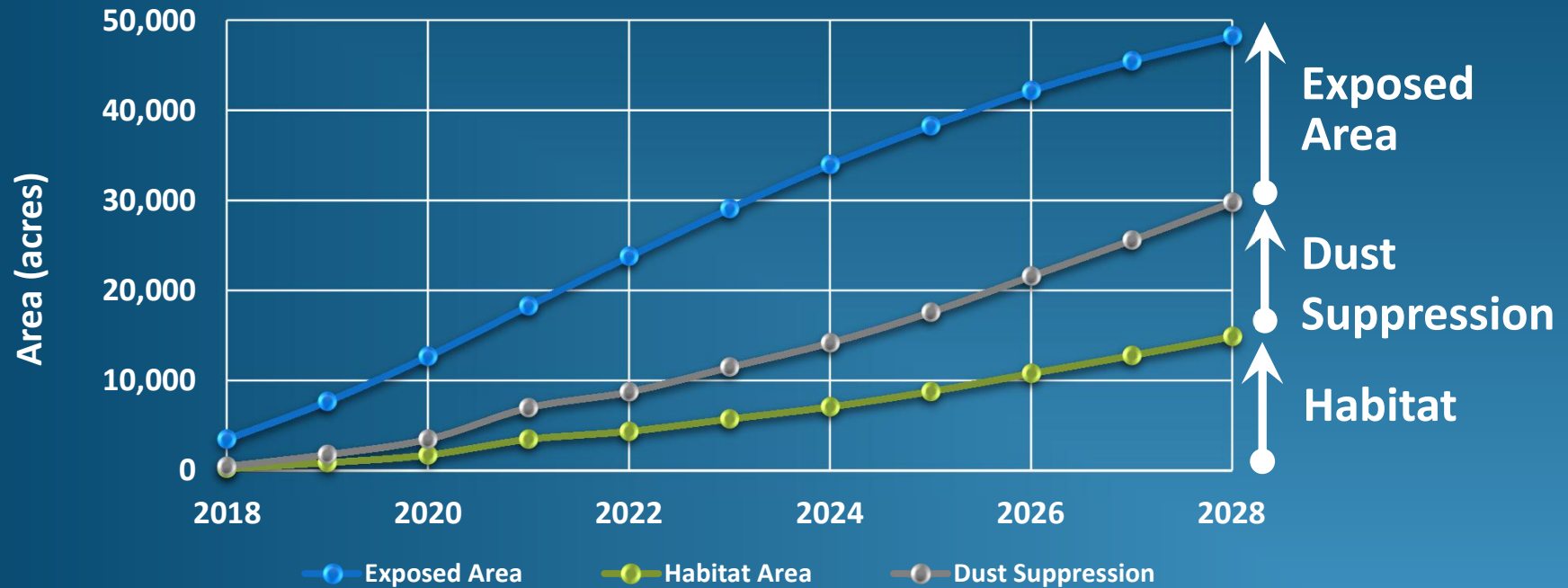


# CONSTRUCTION SCHEDULE

- Currently being updated to conform to the Water Board's Stipulated Order
- Currently moving forward with design for New River West
- Planning stages for Alamo North & Whitewater



# STIPULATED WATER BOARD DRAFT ORDER



## IV. CONCLUSIONS

- Provides path forward for implementing Phase 1 of 10-Yr Plan
- Final section of document includes:
  - Timeline of Work Plan tasks
  - References

# WORK PLAN REVIEW TIMELINE

Activity	Timeframe
Draft Work Plan to Committees	Sep 26, 2017
Review Comments from Committees Due	Oct 27, 2017
Release to Public	Early Nov 2017
Living Document / Updated as Needed	
<b><i>Work commencing in multiple areas while Work Plan is finalized</i></b>	



# QUESTIONS / DISCUSSION